

Appl. No. 10/733,957
Preliminary Amdt. dated July 15, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-59. (Canceled)

60. (Currently Amended) A sensor for sensing pressure applied to a seat by an occupant of the seat and for controlling deployment of an airbag, comprising:

a bladder having a chamber, the bladder adapted to be arranged in a seat portion of the seat; and
a transducer for measuring a pressure in the chamber, wherein deployment of ~~an~~ the airbag is controlled based at least in part on the pressure measured in ~~said~~ the chamber.

61. (Currently Amended) The sensor of claim 60, wherein ~~said~~ the chamber has multiple sections in flow communication with one another.

62. (New) A method for controlling an occupant restraint device arranged to protect an occupant in a vehicle in a crash involving the vehicle, comprising the steps of:

arranging a bladder having a chamber in a seat portion of a seat in the vehicle;
measuring a pressure in the chamber; and

controlling deployment of the occupant restraint device based at least in part on the measured pressure.

63. (New) The method of claim 62, further comprising the step of providing the chamber with multiple sections in flow communication with one another.

64. (New) The method of claim 62, wherein the occupant restraint device is an airbag.

65. (New) A system for protecting an occupant in a vehicle in a crash involving the vehicle, comprising:

a bladder having a chamber, the bladder adapted to be arranged in a seat portion of a seat in the vehicle,

a transducer for measuring a pressure in the chamber, and

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an occupant restraint device arranged in the vehicle to protect the occupant of the vehicle, wherein deployment of the occupant restraint device is controlled based at least in part on the pressure measured in the chamber.

66. (New) The system of claim 65, wherein the occupant restraint device is an airbag.